

What is claimed is:

1. A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide having a half-life, measured at least 130 degrees Celsius, longer than that of dicumyl peroxide, and
 - (c) a graftable stable organic free radical,wherein the stable organic free radical (i) substantially suppresses degradation of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.
2. A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide having a half-life, measured at least 130 degrees Celsius, longer than that of dicumyl peroxide, and
 - (c) a graftable stable organic free radical,wherein the stable organic free radical (i) substantially suppresses carbon-carbon crosslinking of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.
3. A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide subject to formation of methyl radicals to a lesser degree than dicumyl peroxide at the free-radical reaction temperature, and
 - (c) a graftable stable organic free radical,wherein the stable organic free radical (i) substantially suppresses degradation of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.
4. A polymeric composition comprising:
 - (a) a free-radical reactive polymer,
 - (b) an organic peroxide subject to formation of methyl radicals to a lesser degree than dicumyl peroxide at the free-radical reaction temperature, and
 - (c) a graftable stable organic free radical,

wherein the stable organic free radical (i) substantially suppresses carbon-carbon crosslinking of the polymer in the presence of the free-radical inducing species and (ii) being graftable onto the polymer after the polymer forms a free radical.

5. The polymeric composition of any of Claims 1 - 4 wherein the graftable stable organic free radical having a functional group.

6. The polymeric composition of Claim 5 wherein the functional group is selected from the group consisting of a hydroxyl group, amino groups, carboxyl groups, and urethane groups.